

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P849543

Luminaire Tested: **GLAN-SB6C-850-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849543
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6C-850-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38654 lumens
Efficiency: N/A
Efficacy: 128.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

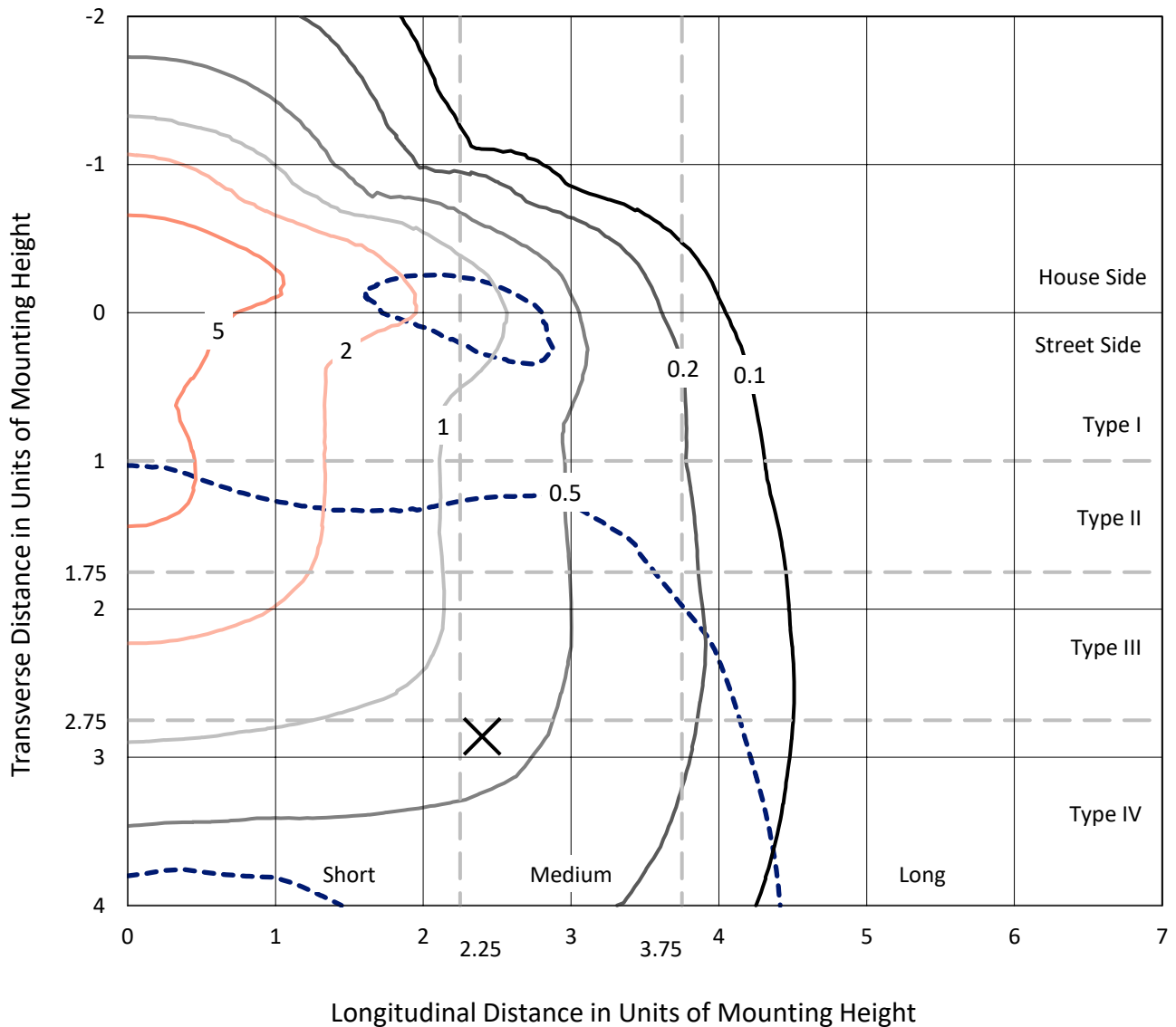
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

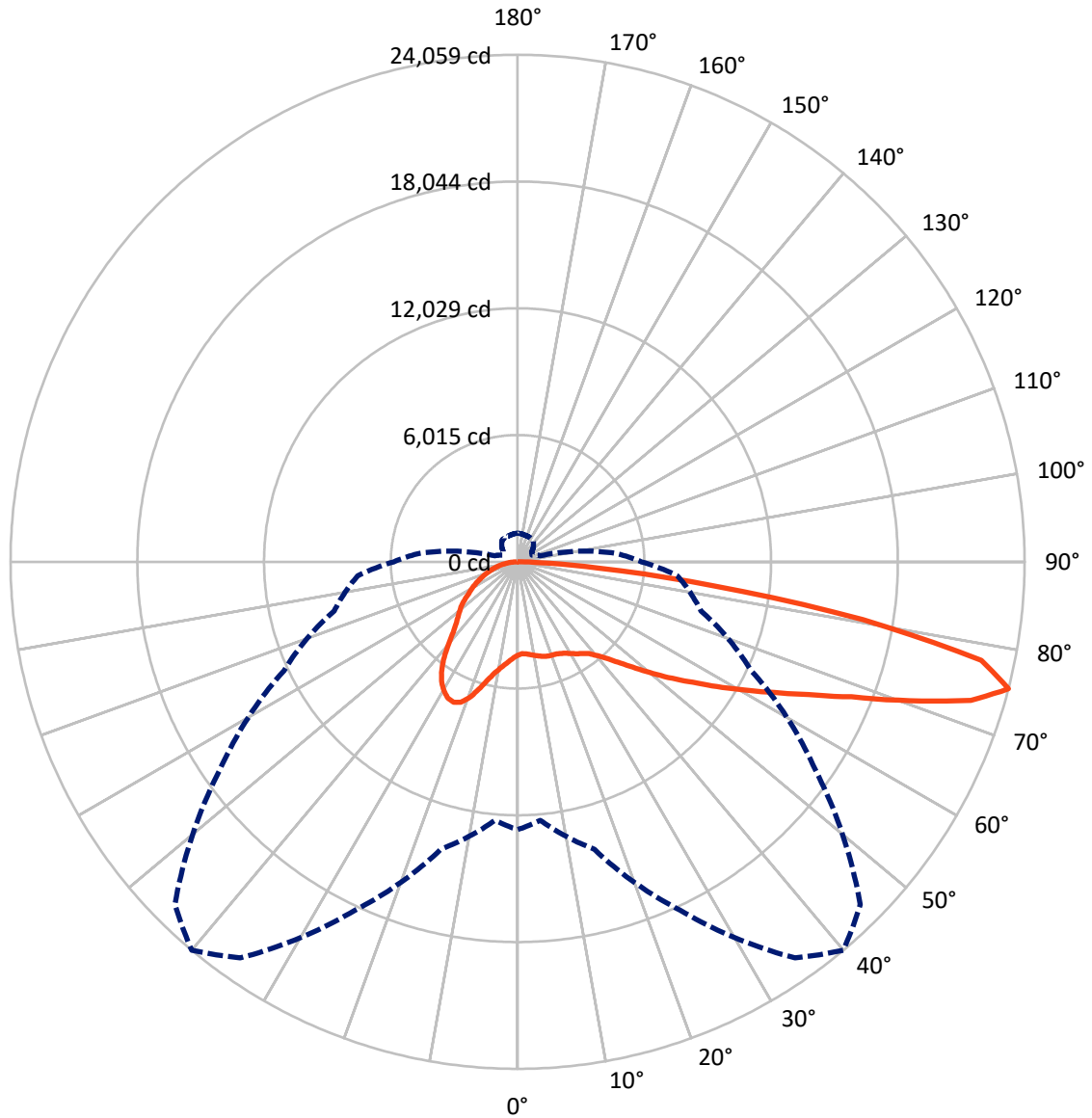
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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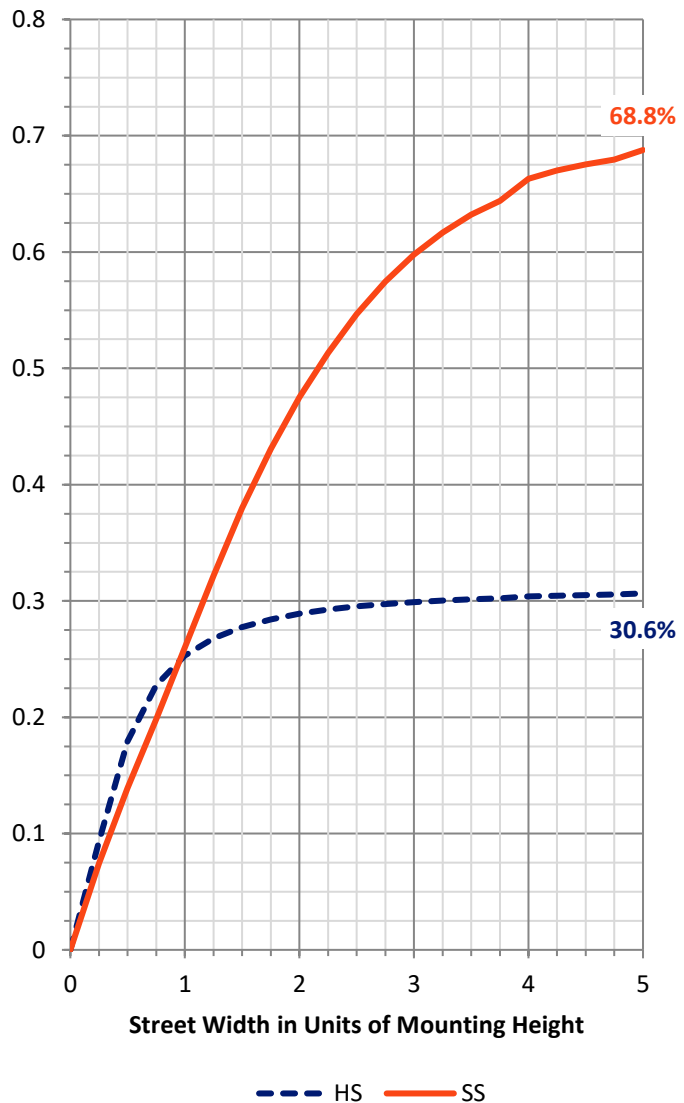
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11976.3	0.0	11976.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	26677.7	0.0	26677.7
	% Fixture	69.0	0.0	69.0
Total	Lumens	38654.0	0.0	38654.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	441.2	1.1
10°-20°	1481.4	3.8
20°-30°	2704.8	7.0
30°-40°	3836.2	9.9
40°-50°	5180.0	13.4
50°-60°	6968.5	18.0
60°-70°	8844.7	22.9
70°-80°	8027.1	20.8
80°-90°	1170.1	3.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	38654.0	100.0
0°-180°	38654.0	100.0

Coefficient of Utilization

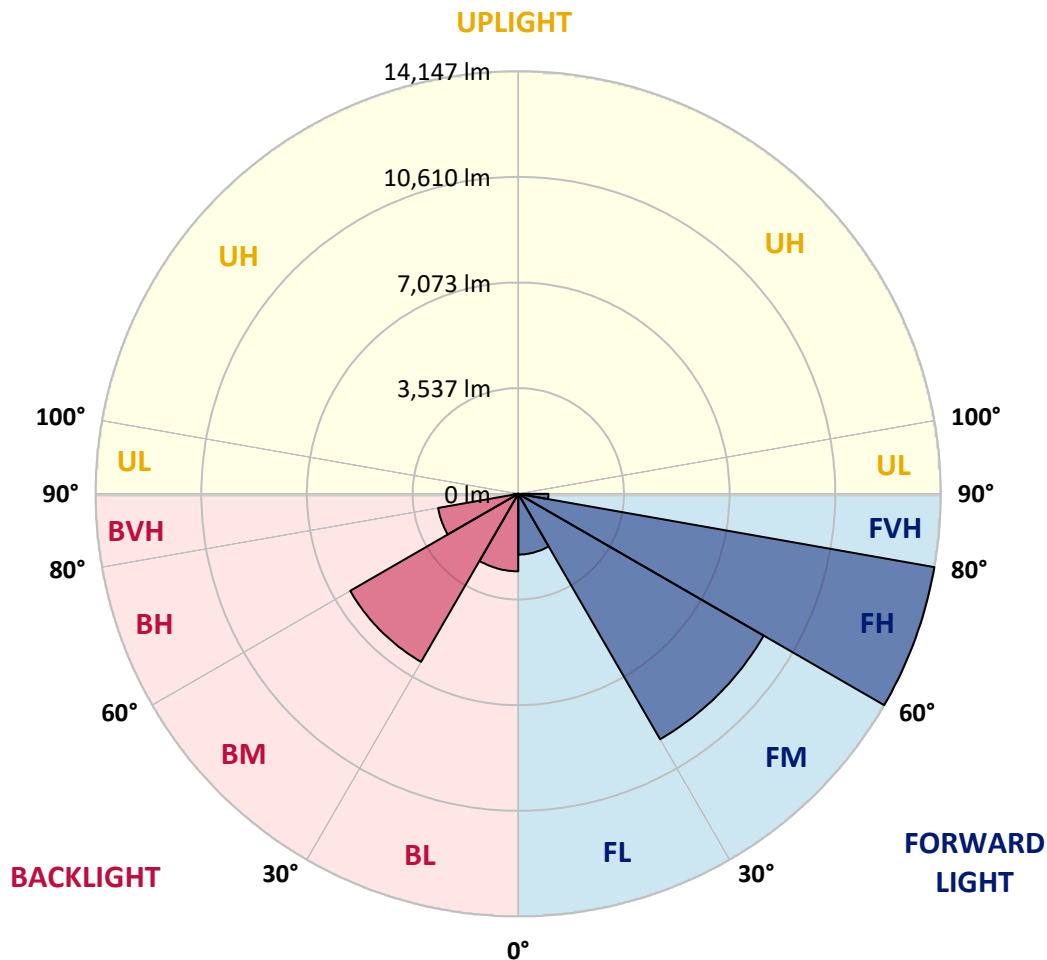


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2033.2	5.3			
FM (30°-60°)	9488.7	24.5			
FH (60°-80°)	14146.8	36.6			G5
FVH (80°-90°)	1009.0	2.6			G5
BL (0°-30°)	2594.2	6.7	B4/5000		
BM (30°-60°)	6496.1	16.8	B4/8500		
BH (60°-80°)	2725.0	7.0	B4/5000		G4/5000
BVH (80°-90°)	161.1	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	4420.1	4420.1	4420.1	4420.1	4420.1	4420.1	4420.1	4420.1	4420.1	4420.1
2.5°	4352.5	4377.1	4370.9	4362.7	4362.7	4364.8	4362.7	4377.1	4391.4	4405.8
5°	4397.6	4422.2	4409.9	4399.6	4391.4	4389.4	4383.2	4381.2	4389.4	4407.8
7.5°	4485.7	4510.3	4491.9	4473.4	4457.0	4448.8	4440.6	4428.3	4422.2	4432.4
10°	4584.1	4608.8	4586.2	4553.4	4526.7	4516.5	4508.3	4496.0	4487.8	4493.9
12.5°	4682.6	4707.2	4676.4	4631.3	4596.4	4590.3	4580.0	4575.9	4573.9	4571.8
15°	4774.8	4795.3	4756.4	4703.1	4666.2	4655.9	4645.7	4651.8	4662.1	4674.4
17.5°	4846.6	4867.1	4809.7	4740.0	4705.1	4701.0	4694.9	4715.4	4744.1	4774.8
20°	4912.2	4932.7	4858.9	4764.6	4723.6	4723.6	4725.6	4768.7	4809.7	4854.8
22.5°	5004.4	5020.8	4930.6	4801.5	4742.0	4746.1	4762.5	4805.6	4856.8	4918.3
25°	5141.8	5154.1	5043.4	4871.2	4803.5	4815.8	4830.2	4850.7	4899.9	4971.6
27.5°	5363.2	5373.5	5227.9	4994.2	4891.7	4912.2	4932.7	4918.3	4940.9	5002.4
30°	5674.8	5681.0	5496.5	5186.9	5041.3	5051.6	5055.7	4996.2	4953.2	5002.4
32.5°	6043.9	6041.8	5822.4	5420.6	5211.5	5201.2	5166.4	5049.5	4949.1	4992.1
35°	6615.9	6593.3	6310.4	5748.6	5404.2	5340.7	5258.7	5109.0	4969.6	4981.9
37.5°	7563.0	7493.3	7101.7	6285.8	5691.2	5529.3	5408.3	5205.3	5014.7	4977.8
40°	8631.2	8543.0	8112.5	7021.8	6121.8	5861.4	5666.6	5342.7	5088.5	4996.2
42.5°	9898.2	9773.1	9309.8	7889.0	6667.1	6289.9	5996.7	5517.0	5197.1	5055.7
45°	11454.2	11288.2	10632.1	8866.9	7353.9	6851.6	6460.0	5781.4	5363.2	5170.5
47.5°	13026.7	13067.7	12134.9	9986.3	8178.1	7544.6	7040.2	6179.2	5605.1	5355.0
50°	14697.6	14726.3	13629.4	11226.7	9112.9	8327.7	7692.2	6624.1	5941.4	5617.4
52.5°	16001.5	16005.6	14986.6	12524.4	10086.8	9188.8	8395.4	7132.5	6330.9	5966.0
55°	16817.4	16807.2	15937.9	13752.4	11206.2	10092.9	9174.4	7710.6	6806.5	6376.0
57.5°	17409.9	17379.2	16594.0	14808.3	12399.3	11161.0	10056.0	8366.7	7368.3	6863.9
60°	17635.4	17617.0	17038.8	15720.6	13654.0	12341.9	11072.9	9100.6	8005.9	7440.0
62.5°	17721.5	17756.4	17475.5	16604.2	14996.9	13649.9	12190.2	9978.1	8723.4	8092.0
65°	18025.0	18088.5	18031.1	17760.5	16514.0	15181.4	13672.5	11021.6	9506.6	8791.1
67.5°	18625.7	18689.2	18713.8	19144.4	18367.3	17090.1	15521.7	12321.4	10423.0	9516.8
70°	18611.3	18592.9	19027.5	20245.3	20688.1	19732.8	18014.7	13920.6	11515.7	10119.6
72.5°	16940.4	16792.8	17820.0	20233.0	22619.4	22492.3	21059.2	15983.0	12458.8	10193.4
75°	12708.9	12315.3	14129.7	18234.1	22941.2	24058.6	22994.6	17262.3	12235.3	9006.3
77.5°	5435.0	5039.3	7177.6	13498.2	20532.3	22490.2	21219.1	15060.4	9766.9	5955.7
80°	1422.8	1420.8	2169.1	6119.7	13963.6	16608.3	14570.5	9725.9	5580.5	2128.1
82.5°	588.4	574.0	797.5	2380.2	6822.9	9320.0	7606.1	4338.1	2015.3	576.1
85°	219.4	217.3	387.5	822.1	2406.9	3844.0	2782.1	1109.1	502.3	280.9
87.5°	61.5	59.5	84.1	285.0	586.3	889.8	475.6	182.5	141.5	110.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4420.1	0°	4420.1	4420.1	4420.1	4420.1	4420.1	4420.1	4420.1	4420.1	4420.1	4420.1
4428.3	2.5°	4434.5	4444.7	4463.2	4477.5	4496.0	4516.5	4545.2	4563.6	4582.1	4594.4
4438.6	5°	4452.9	4475.5	4522.6	4569.8	4625.2	4676.4	4735.9	4778.9	4813.8	4824.0
4475.5	7.5°	4493.9	4530.8	4610.8	4690.8	4778.9	4863.0	4949.1	5022.9	5082.3	5104.9
4541.1	10°	4565.7	4614.9	4727.7	4840.4	4957.3	5086.4	5197.1	5303.8	5387.8	5422.7
4619.0	12.5°	4655.9	4717.4	4865.0	5020.8	5182.8	5361.2	5504.7	5635.9	5740.4	5787.6
4727.7	15°	4772.8	4852.7	5041.3	5250.4	5488.3	5736.3	5918.8	6064.4	6181.2	6238.6
4840.4	17.5°	4899.9	5006.5	5244.3	5560.0	5900.3	6226.3	6439.5	6546.1	6667.1	6722.5
4945.0	20°	5022.9	5154.1	5494.4	5953.7	6406.7	6753.2	6925.4	6954.1	6962.3	6968.5
5043.4	22.5°	5150.0	5326.3	5808.1	6449.8	6935.7	7175.5	7200.1	7077.1	6904.9	6825.0
5139.7	25°	5289.4	5523.1	6218.1	6997.2	7390.8	7419.5	7230.9	6931.6	6605.6	6455.9
5217.6	27.5°	5424.7	5750.7	6710.2	7520.0	7718.8	7466.7	7060.7	6636.4	6242.7	6084.9
5273.0	30°	5560.0	6011.1	7253.5	7977.2	7868.5	7349.8	6792.2	6318.6	5922.9	5756.8
5322.2	32.5°	5697.4	6314.5	7878.7	8307.2	7841.8	7101.7	6458.0	5961.9	5613.3	5439.1
5365.3	35°	5853.2	6687.6	8471.2	8487.6	7663.5	6736.8	6017.2	5535.4	5232.0	5092.6
5416.5	37.5°	6056.2	7161.2	8994.0	8532.7	7351.9	6201.7	5469.8	5031.1	4781.0	4717.4
5492.4	40°	6308.3	7731.1	9393.8	8461.0	6890.6	5551.8	4871.2	4520.6	4379.1	4393.5
5594.9	42.5°	6636.4	8368.7	9674.7	8276.5	6248.9	4881.4	4346.3	4190.5	4258.2	4315.6
5748.6	45°	7062.8	9030.9	9848.9	7962.8	5523.1	4313.5	4036.8	4073.7	4124.9	4131.1
5996.7	47.5°	7608.1	9701.3	9963.8	7489.2	4783.0	3913.7	3839.9	3848.1	3837.9	3794.8
6367.8	50°	8288.8	10353.3	10066.3	6861.9	4153.6	3663.6	3565.2	3536.5	3395.1	3255.6
6861.9	52.5°	9063.7	10951.9	10109.3	6082.8	3663.6	3454.5	3294.6	3114.2	2849.7	2806.7
7483.1	55°	9924.8	11505.5	9998.6	5125.4	3251.5	3185.9	2944.0	2726.7	2698.0	2661.1
8301.1	57.5°	10954.0	12102.1	9773.1	4057.3	2829.2	2872.3	2636.5	2661.1	2609.8	2552.4
9352.8	60°	12079.5	12719.2	9377.4	3083.4	2392.5	2480.7	2556.5	2554.5	2540.1	2493.0
10461.9	62.5°	13092.3	13125.1	8598.4	2361.8	2009.2	2177.3	2384.3	2382.3	2370.0	2343.3
11620.3	65°	13695.0	13063.6	7298.6	1859.5	1693.4	1927.1	2150.6	2167.0	2169.1	2167.0
12491.6	67.5°	13588.4	12344.0	5514.9	1480.2	1433.1	1672.9	1918.9	1941.5	1957.9	1962.0
12602.3	70°	12382.9	10763.3	3596.0	1180.9	1201.4	1449.5	1699.6	1722.1	1736.5	1752.9
10935.5	72.5°	9652.1	7913.6	2058.4	955.4	998.4	1256.7	1482.3	1508.9	1517.1	1547.9
7610.2	75°	5881.9	4653.9	1111.2	752.4	820.1	1074.3	1267.0	1297.7	1312.1	1349.0
3737.4	77.5°	2796.4	2015.3	633.5	586.3	660.2	877.5	1070.2	1105.0	1066.1	1086.6
1031.2	80°	945.1	748.3	399.8	446.9	504.3	684.8	857.0	891.8	809.8	805.7
342.4	82.5°	330.1	303.4	254.2	297.3	326.0	490.0	647.8	693.0	602.7	600.7
153.8	85°	129.2	123.0	141.5	162.0	194.8	301.4	426.4	449.0	371.1	299.3
45.1	87.5°	26.7	28.7	34.9	36.9	59.5	104.6	153.8	188.6	149.7	127.1
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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180°
4420.1
4586.2
4828.1
5106.9
5424.7
5787.6
6234.5
6720.4
6984.9
6847.5
6478.5
6103.3
5775.3
5461.6
5123.3
4762.5
4442.7
4368.9
4172.1
3827.6
3274.1
2821.0
2667.3
2542.2
2476.6
2333.1
2167.0
1966.1
1761.1
1560.2
1353.1
1070.2
797.5
572.0
295.2
116.9
0.0

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